



Standards and Certification

Vision/Mission

- **VISION STATEMENT:**
 - To be the world leader in mechanical and multidisciplinary engineering codes, standards, conformity assessment programs, and related products and services.
- **MISSION STATEMENT:**
 - Develop the preeminent, universally applicable codes, standards, conformity assessment programs, and related products and services for the betterment of humanity. Involve the best and brightest people from around the world to develop, maintain, promote, and employ ASME products and services globally.

Overview

- 500 Consensus Standards Accepted and Used in Over 100 Countries
- 12 Conformity Assessment Programs
- 700 Committees
- 4,600 Volunteers (more than 500 international)
- 6,000 ASME Certified Boiler and Pressure Vessel Manufacturers (incl. Nuclear) Worldwide (74 Countries)
- 2,500 Individuals Certified to Requirements of Standards
- ASME Standards Technology, LLC – separate entity that develops technical data to support standards development, and provides project management support
- ASME Training & Development (formerly Continuing Education Institute) – over 7,700 individuals trained, FY10

Key Products/Services

- Standards for performance testing; dimensional standardization; manufacture of pressure equipment, nuclear power components, elevators and escalators, cranes, and pipelines.
- Interpretations of most standards
- Product certification programs: boilers and pressure vessels; nuclear components and materials
- Accreditation programs: pressure relief device testing labs; boiler and pressure vessel inspection agencies; elevator inspector certification bodies
- Personnel certification programs: geometric dimensioning & tolerancing professionals; operators of facilities – municipal waste incineration, and high-capacity fossil-fuel
- Wide range of educational opportunities covering numerous engineering and technical disciplines; offered via many platforms, e.g. public courses, corporate programs, onsite classes, webinars, online classes, CD's & videos

What's New

- 90 new standards-related releases in FY10; 50 FY11-Q1
- 2010 Edition of Boiler and Pressure Vessel Code
- Spanish translation of Boiler and Pressure Vessel Code Section I, approved by new technical committee, issued with 2010 BPV Edition. Other standards to be translated
- Guidance Documents to support Energy Assessment Standards for Industrial Plants (pumping, steam, compressed air, and process heating systems)
- New Working Group established to address new construction issues for nuclear power plants
- Move to single ASME product certification mark
- 5 new training courses to be released FY11
- 8 new publications released by ASME Standards Technology, LLC to maintain technical relevance of ASME standards
- New Board on Strategic Initiatives established by S&C Council
- New Standards & Certification e-Newsletter
- New Subcommittee on Standards formed by National Science and Technology Council – co-chaired by Director, NIST

Global Impact

- Continued strong presence in China, India, and Latin America
- Through ASME Asia Pacific, LLC, officially registered in Beijing to promote ASME products
- ASME standards recognized in regulations or national standards in India, Nigeria, South Africa, Colombia; strong interaction with Chinese agencies on development of Chinese national nuclear standard
- Growth in international membership (34% growth in FY10) on C&S committees, including new International Working Groups in India for B31 pipeline standards; and in China for BPV Section III, Nuclear Power Plant Components
- Expanded eligibility for Authorized Inspection Agencies for BPV certification
- Milestone - # of ASME certified companies for pressure equipment and nuclear power plant components/ materials greater outside the US than within
- ASME leading multi-national effort to compare international code rules for nuclear class 1 components
- Work initiated on requirements for High Temperature Gas-Cooled Reactors (BPV Section III, Div. 5); expected to be issued in 2011

Energy

- New Energy and Environmental Standards Advisory Board
- S&C Energy Product Portfolio created
- 24 new or updated energy-related S&C products released FY10; 34 in first quarter of FY11
- Collaborated with Dept. of Energy to issue four new standards for energy efficiency assessment of various industrial systems
- New PTC 52 Committee established on Test Code for Concentrating Solar Power Plants
- Conducted market survey and workshops to identify standards and certification gaps in carbon capture and sequestration technology; evaluating potential opportunities
- Survey to be conducted on compressed air energy storage to determine potential S&C opportunities
- New Performance Test Code initiated for Steam Generators with Carbon Capture

Engineering Workforce Development

- Training & Development integrated into S&C Sector
- New courses available on Overview of ASME Codes for Nuclear Industry; Nuclear Power Plant Construction; and High Density Polyethylene Piping
- On-line assessment-based courses (e.g. Energy Choices)
- Board on Nuclear C&S TG on Nuclear Education and University Relations to support universities on nuclear education
- Engineering Workforce Development Strategy Execution Team – Working Group on facilitating use of standards in curricula
- New personnel certification programs in development – nondestructive examination personnel and quality control technicians; and nuclear quality assurance auditors

Additional Information

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